

# Larry Ming-Cheung Chow

## List of Publications by Year in descending order

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64  
papers

2,306  
citations

218677

26  
h-index

223800

46  
g-index

66  
all docs

66  
docs citations

66  
times ranked

3130  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitive and Inexpensive Molecular Test for Falciparum Malaria: Detecting Plasmodium falciparum DNA Directly from Heat-Treated Blood by Loop-Mediated Isothermal Amplification., <i>Clinical Chemistry</i> , 2006, 52, 303-306.	3.2	422
2	A potential prodrug for a green tea polyphenol proteasome inhibitor: evaluation of the peracetate ester of (âˆ“)epigallocatechin gallate [(âˆ“)EGCG]. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 5587-5593.	3.0	130
3	Pseudolaric Acid B, a Novel Microtubule-Destabilizing Agent That Circumvents Multidrug Resistance Phenotype and Exhibits Antitumor Activity In vivo. <i>Clinical Cancer Research</i> , 2005, 11, 6002-6011.	7.0	108
4	Flavonoid Dimers as Bivalent Modulators for P-Glycoprotein-Based Multidrug Resistance: A Synthetic Apigenin Homodimers Linked with Defined-Length Poly(ethylene glycol) Spacers Increase Drug Retention and Enhance Chemosensitivity in Resistant Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 6742-6759.	6.4	93
5	Cloning and functional analysis of an extrachromosomally amplified multidrug resistance-like gene in <i>Leishmania enriettii</i> . <i>Molecular and Biochemical Parasitology</i> , 1993, 60, 195-208.	1.1	84
6	Modulation of Multidrug Resistance Protein 1 (MRP1/ABCC1)-Mediated Multidrug Resistance by Bivalent Apigenin Homodimers and Their Derivatives. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 5311-5322.	6.4	76
7	Synthetic peracetate tea polyphenols as potent proteasome inhibitors and apoptosis inducers in human cancer cells. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 1010.	3.0	72
8	Visceral Leishmaniasis in China: an Endemic Disease under Control. <i>Clinical Microbiology Reviews</i> , 2015, 28, 987-1004.	13.6	69
9	Amine Linked Flavonoid Dimers as Modulators for P-Glycoprotein-Based Multidrug Resistance: Structure-Activity Relationship and Mechanism of Modulation. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1999-2014.	6.4	67
10	Synthesis of methylated quercetin derivatives and their reversal activities on P-gp- and BCRP-mediated multidrug resistance tumour cells. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 413-422.	5.5	59
11	Design and Syntheses of Permethyl Ningalin B Analogues: Potent Multidrug Resistance (MDR) Reversal Agents of Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5108-5120.	6.4	51
12	Establishment and characterization of a new xenograft-derived human esophageal squamous cell carcinoma cell line SLMT-1 of Chinese origin. <i>Cancer Genetics and Cytogenetics</i> , 2001, 124, 36-41.	1.0	49
13	Flavonoid Dimers as Bivalent Modulators for Pentamidine and Sodium Stibogluconate Resistance in <i>Leishmania</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 930-940.	3.2	46
14	Flavonoid Dimers as Bivalent Modulators for P-Glycoprotein-Based Multidrug Resistance: Structure-Activity Relationships. <i>ChemMedChem</i> , 2009, 4, 594-614.	3.2	45
15	Potent and Nontoxic Chemosensitizer of P-Glycoprotein-Mediated Multidrug Resistance in Cancer: Synthesis and Evaluation of Methylated Epigallocatechin, Gallocatechin, and Dihydromyricetin Derivatives. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4529-4549.	6.4	45
16	ORMOSIL oxygen sensors on polystyrene microplate for dissolved oxygen measurement. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 120-126.	7.8	39
17	Antiproliferative Activity of the Extract of <i>Gleditsia sinensis</i> Fruit on Human Solid Tumour Cell Lines. <i>Chemotherapy</i> , 2002, 48, 303-308.	1.6	35
18	Flavonoid Dimers as Novel, Potent Antileishmanial Agents. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 8891-8902.	6.4	33

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19	Structure-Activity Relationship Study of Permethyl Ningalin B Analogues as P-Glycoprotein Chemosensitizers. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 9057-9070.	6.4	31
20	Targeted delivery of antimicrobial peptide by Cry protein crystal to treat intramacrophage infection. <i>Biomaterials</i> , 2019, 217, 119286.	11.4	30
21	The CCCTC-binding factor (CTCF)-forkhead box protein M1 axis regulates tumour growth and metastasis in hepatocellular carcinoma. <i>Journal of Pathology</i> , 2017, 243, 418-430.	4.5	29
22	Triazole Bridged Flavonoid Dimers as Potent, Nontoxic, and Highly Selective Breast Cancer Resistance Protein (BCRP/ABCG2) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 8578-8608.	6.4	29
23	Localization and activity of multidrug resistance protein 1 in the secretory pathway of <i>Leishmania</i> parasites. <i>Molecular Microbiology</i> , 2004, 51, 1563-1575.	2.5	28
24	The role of <i>Leishmania enriettii</i> multidrug resistance protein 1 (LeMDR1) in mediating drug resistance is iron-dependent. <i>Molecular and Biochemical Parasitology</i> , 2006, 150, 278-287.	1.1	28
25	<i>In Vitro</i> and <i>In Vivo</i> Efficacy of Novel Flavonoid Dimers against Cutaneous Leishmaniasis. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 3379-3388.	3.2	28
26	Quinacrine and a novel apigenin dimer can synergistically increase the pentamidine susceptibility of the protozoan parasite <i>Leishmania</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2009, 63, 1179-1190.	3.0	27
27	Flavonoid dimers are highly potent killers of multidrug resistant cancer cells overexpressing MRP1. <i>Biochemical Pharmacology</i> , 2017, 124, 10-18.	4.4	27
28	<i>Plasmodium</i> and <i>Leishmania</i> : The Role of mdr Genes in Mediating Drug Resistance. <i>Experimental Parasitology</i> , 1998, 90, 135-141.	1.2	26
29	Discovery of Novel Flavonoid Dimers To Reverse Multidrug Resistance Protein 1 (MRP1, ABCC1) Mediated Drug Resistance in Cancers Using a High Throughput Platform with "Click Chemistry". <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9931-9951.	6.4	26
30	Novel Classes of Dimer Antitumour Drug Candidates. <i>Current Pharmaceutical Design</i> , 2009, 15, 659-674.	1.9	25
31	Cloning and characterization of a novel Krüppel-like zinc finger gene, ZNF268, expressed in early human embryo. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2001, 1518, 306-310.	2.4	24
32	Complexation of antimony (SbV) with guanosine 5'-diphospho-d-mannose and guanosine 5'-diphospho-d-mannose: Formation of both mono- and bis-adducts. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 2257-2263.	3.5	23
33	Functional reconstitution of purified chloroquine resistance membrane transporter expressed in yeast. <i>Archives of Biochemistry and Biophysics</i> , 2006, 452, 119-128.	3.0	23
34	Electrokinetic DNA concentration in microsystems. <i>Sensors and Actuators A: Physical</i> , 2009, 156, 381-387.	4.1	22
35	2-Indolylmethylenebenzofuranones as first effective inhibitors of ABCC2. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 408-418.	5.5	22
36	Flavonoids as P-gp Inhibitors: A Systematic Review of SARs. <i>Current Medicinal Chemistry</i> , 2019, 26, 4799-4831.	2.4	22

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37	Rapid reduction of pentavalent antimony by trypanothione: potential relevance to antimonial activation Electronic supplementary information (ESI) available: experimental details. See <a href="http://www.rsc.org/suppdata/cc/b2/b210240d/">http://www.rsc.org/suppdata/cc/b2/b210240d/</a> . <i>Chemical Communications</i> , 2003, , 266-267.	4.1	21
38	Synthesis and in-vitro anti-leishmanial activity of (4-aryl)piperazin-1-yl)(1-(thiophen-2-yl)-9 H -pyrido[3,4- Tj ETQq0 0,0 rgBT /Overlock 10	4.1	20
39	SALL4 promotes tumor progression in breast cancer by targeting EMT. <i>Molecular Carcinogenesis</i> , 2020, 59, 1209-1226.	2.7	19
40	A New Class of Safe, Potent, and Specific P-gp Modulator: Flavonoid Dimer <b>FD18</b> Reverses P-gp-Mediated Multidrug Resistance in Human Breast Xenograft <i>in Vivo</i> . <i>Molecular Pharmaceutics</i> , 2015, 12, 3507-3517.	4.6	18
41	A homologous recombination strategy to analyze the vinblastine resistance property of the V-circle in <i>Leishmania</i> . <i>Molecular and Biochemical Parasitology</i> , 1994, 64, 75-86.	1.1	17
42	Expression of SARS-coronavirus spike glycoprotein in <i>Pichia pastoris</i> . <i>Virus Genes</i> , 2009, 38, 1-9.	1.6	17
43	Construction and characterization of a cDNA library from 4-week-old human embryo. <i>Gene</i> , 2001, 278, 141-147.	2.2	16
44	Small Circular Oligodeoxynucleotides Achieved from Self-Assembling Entities. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 797-799.	13.8	16
45	Cell culture using centrifugal microfluidic platform with demonstration on <i>Pichia pastoris</i> . <i>Biomedical Microdevices</i> , 2013, 15, 321-337.	2.8	16
46	4,5-Di-substituted benzyl-imidazol-2-substituted amines as the structure template for the design and synthesis of reversal agents against P-gp-mediated multidrug resistance breast cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2014, 83, 74-83.	5.5	16
47	Extending the structure-activity relationship study of marine natural ningalin B analogues as P-glycoprotein inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017, 125, 795-806.	5.5	16
48	Optimization of permethyl ningalin B analogs as P-glycoprotein inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 5566-5573.	3.0	14
49	<i>Gleditsia sinensis</i> fruit extract is a potential chemotherapeutic agent in chronic and acute myelogenous leukemia. <i>Oncology Reports</i> , 2003, 10, 1601.	2.6	12
50	Modification of Marine Natural Product Ningalin B and SAR Study Lead to Potent P-Glycoprotein Inhibitors. <i>Marine Drugs</i> , 2014, 12, 5209-5221.	4.6	12
51	Disruption of SND1-MTDH Interaction by a High Affinity Peptide Results in SND1 Degradation and Cytotoxicity to Breast Cancer Cells <i>In Vitro</i> and <i>In Vivo</i> . <i>Molecular Cancer Therapeutics</i> , 2021, 20, 76-84.	4.1	12
52	Flavonoid Monomers as Potent, Nontoxic, and Selective Modulators of the Breast Cancer Resistance Protein (ABCG2). <i>Journal of Medicinal Chemistry</i> , 2021, 64, 14311-14331.	6.4	11
53	Synthesis of a Novel Series of <i>E,E</i> -4,6-bis(styryl)-2-O-Glucopyranosyl-Pyrimidines and Their Potent Multidrug Resistance (MDR) Reversal Activity Against Cancer Cells. <i>Journal of Carbohydrate Chemistry</i> , 2012, 31, 620-633.	1.1	9
54	Synthesis and evaluation of stereoisomers of methylated catechin and epigallocatechin derivatives on modulating P-glycoprotein-mediated multidrug resistance in cancers. <i>European Journal of Medicinal Chemistry</i> , 2021, 226, 113795.	5.5	9

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55	Synthesis of (±)-5- <sup>2</sup> -methoxyhydnocarpin-D, an inhibitor of the Staphylococcus aureus multidrug resistance pump. Tetrahedron, 2005, 61, 4149-4156.	1.9	8
56	Anti-angiogenic potential of Gleditsia sinensis fruit extract. International Journal of Molecular Medicine, 2003, 12, 269.	4.0	7
57	Gleditsia sinensis fruit extract induced growth inhibition involves basic fibroblast growth factor and nitric oxide. International Journal of Molecular Medicine, 2004, 13, 169.	4.0	7
58	RUVBL1/2 Complex Regulates Pro-Inflammatory Responses in Macrophages via Regulating Histone H3K4 Trimethylation. Frontiers in Immunology, 2021, 12, 679184.	4.8	6
59	Characterization of the Commercially-Available Fluorescent Chloroquine-BODIPY Conjugate, LynxTag-CQGREEN, as a Marker for Chloroquine Resistance and Uptake in a 96-Well Plate Assay. PLoS ONE, 2014, 9, e110800.	2.5	5
60	Natural Products Targeting Cancer Stem Cells: A Revisit. Current Medicinal Chemistry, 2021, 28, 6773-6804.	2.4	4
61	Amine-Linked Flavonoids as Agents against Cutaneous Leishmaniasis. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	3
62	Small Circular Oligodeoxynucleotides Achieved from Self-Assembling Entities. Angewandte Chemie, 2003, 115, 821-823.	2.0	1
63	Temporal Control of the WNT Signaling Pathway During Cardiac Differentiation Impacts Upon the Maturation State of Human Pluripotent Stem Cell Derived Cardiomyocytes. Frontiers in Molecular Biosciences, 2022, 9, 714008.	3.5	1
64	Single-stranded DNA concentration by electrokinetic forces. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2009, 8, 021107.	0.9	0